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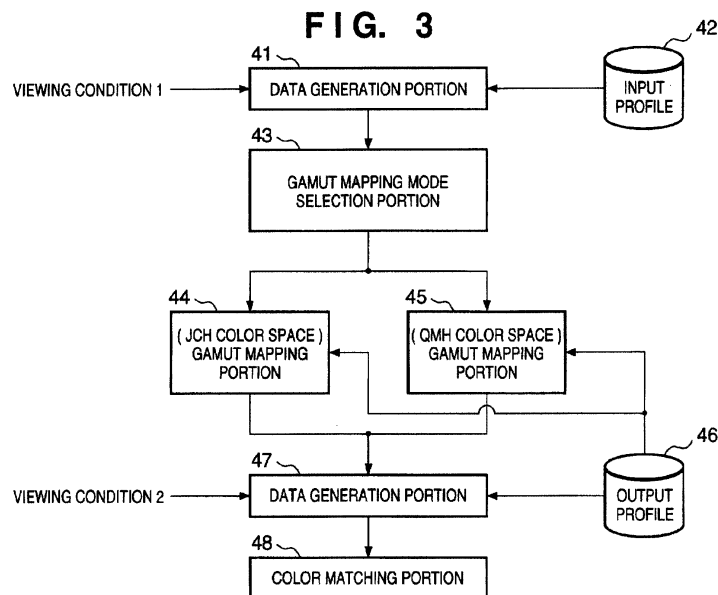
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(54) **Image processing apparatus and method**

(57) If one gamut mapping (hue restoration) defined by the Lab color space is applied in color matching under different reference white points, the human vision perceives the hue as inconsistent. In view of this, input data which is dependent on a color space of an input device is converted by the conversion LUT 11 to color space data which is independent of any devices, based on a viewing condition at the time of viewing an input original.

The data is converted to data in the human color perception space by the forward converter 12, then subjected to gamut mapping, and converted back to data in the color space independent of any devices by the inverse converter 15, based on a viewing condition at the time of viewing an output original. Then, the data is converted to output data in a color space which is dependent on an output device by the conversion LUT 16.





DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.CI.7)
Y	US 5 754 184 A (RING STUART FREDERICK ET AL) 19 May 1998 (1998-05-19) * abstract; claims 1,2,7; figures 1,3,5,6 * * column 2, line 7 - line 49 * * column 4, line 8 - line 39 * * column 5, line 19 - line 35 * ---	1-21	G06T11/00
Y	WO 95 31794 A (APPLE COMPUTERS INC ;SWEN IUE NA STEVE (US); STOKES MICHAEL D (US)) 23 November 1995 (1995-11-23) * abstract; claim 1; figure 8 * * page 19, line 1 - last line * * page 25, line 10 - page 27, line 11 * ---	1-21	
A	WO 94 30003 A (TALIGENT INC) 22 December 1994 (1994-12-22) * figures 7B,8,9,14 * * page 18, line 20 - line 25 * ---	1-21	
A	EP 0 767 445 A (CANON KK) 9 April 1997 (1997-04-09) * claims 1,6,7; figures 4,7,9 * -----		
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int.CI.7) G06T
Place of search THE HAGUE		Date of completion of the search 20 February 2001	Examiner Diallo, B
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ----- & : member of the same patent family, corresponding document	

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ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.

EP 99 30 5812

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
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